

AN 1988-341484 [48] WPIX

DNC C1988-150983

TI Chlorine di oxide gas generation for cleaning - involves electrolysing

alkali chloride soln., continuously contacting chlorine obtd. and air with

alkali chlorite soln., etc..

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AB JP 63253007 A UPAB: 19930923

Method comprises electrolysing the alkali chloride soln. recovered in the

next process in an electrolytic bath of alkali chlorides to generate

chlorine gas; continuously contacting the chlorine gas from the first

process and air with a soln. of alkali chlorite in amts. proportional

to the electrolytic current of the first process to generate air-diluted

chlorine dioxide gas and circulate the alkali chloride soln. to the first

process, further diluting the air-diluted gas to obtain 2 ppm or lower

chlorine dioxide gas.

USE/ADVANTAGE - Method is efficient and simple. Control of the

amt. of gas produced, adjustment of the temp., and initiation and stop

of the generation are simple. The gas is widely available for

deodorisation

and

insecticidal operation of farmhouses (esp. greenhouses), dumps, cattle sheds, etc.